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(21)Application number : 63-270732 (71)Applicant : TOSHIBA CORP  
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### (54) FLUORESCENT LAMP

#### (57)Abstract:

PURPOSE: To obtain a fluorescent lamp undergoing neither reduction in luminous flux nor change in chromaticity even when used over a long period of time by covering a blue phosphor comprising a plurality of specified blue phosphors with a fluorescent screen formed from a phosphor comprising a combination of a green phosphor with a red phosphor.

CONSTITUTION: A fluorescent screen is formed from a phosphor comprising a combination of a green phosphor of, e.g., the formula  $(La, Ce, Tb)2O3 \cdot 0.9P2O5 \cdot 0.2SiO2$ , having an emission peak at 530-550nm with a red phosphor of, e.g., the formula  $Y2O3/Eu$ , having an emission peak at 600-620nm so as to cover a blue phosphor comprising a combination of three phosphors, i.e., a blue phosphor of the formula  $Sr2P2O7/Eu^{2+}$ , having an emission peak at 410-430nm, a blue phosphor of, e.g., the formula  $(Ba, Mg)3Al16O27/Eu^{2+}$ , having an emission peak at 440-460nm, and a blue phosphor of the formula  $Ca_{10}(PO_4)_6(F, Cl)_2/Sb$ , having an emission peak at 480nm.

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